
ABSTRACT

A method for accelerating a compiled application, given its source code, by
5 adapting it to the hardware on which it runs. The method can also be applied to
applications whose source is not given. The object of this invention is to provide an
acceleration method, which is easy and effective to the end user. The invention does
not require the user to own a secondary computation device, but attempts to change
the software itself to fit best in the user's existing hardware. The method is for
10 accelerating the running time of an application on a central processing unit (CPU) of
a computer having a memory and a compiler by adapting the code of the application
in an application file to the hardware on which it runs, the method includes the step of
identifying functions in the application to accelerate. Further steps include identifying
the hardware on which the application runs, extracting the code of the functions in
15 the application from the application file, changing the code of the functions extracted
from the application file to create new code and changing the flow of the application
to go through the new code.